

# SeaQuest AEM report

## March 7<sup>th</sup>, 2016



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# Targets

- ❧ Site wide power outage on late Friday.
- ❧ No refrigerator power caused both our targets to vent!
- ❧ Target control computer is on UPS so venting was controlled and normal
- ❧ Plan to start tonight the process of cooling down and filling the targets





# Drift chambers

- ❧ Implemented plan B for our spectrometer
- ❧ I-Beam extended to hold new St 1 and old St 1
- ❧ Thanks to PPD Mech Engineering & DDOD
  - ❧ Bob Wands
  - ❧ Wojciech Blaszyński
  - ❧ Bill Gatfield



# Drift chambers status

- ❧ New St 1
  - ❧ Broken wire removed from the chamber
  - ❧ Can hold voltage with cathode at 1800V and guard wires at 900V
  - ❧ Now flowing flammable gas
- ❧ “New” St 0 (Old St 1 chambers from Run 2)
  - ❧ New “old” St 1 drift chambers installed
  - ❧ Additional cables made and labeled
  - ❧ Chamber being cabled up
  - ❧ Survey yet to be done
- ❧ St 2:
  - ❧ Fully operational
- ❧ St 3+ & 3-:
  - ❧ Fully operational





# D0 & D1



# Plan

- ❧ Complete cabling up the chambers by today afternoon
- ❧ Receive Operational Readiness Clearance (ORC) after sending the pictures of cabled chambers
- ❧ Production beam this evening on solid targets
- ❧ Cryo-target cool down as soon as we get liquid Helium